

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/050089

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F02M 59/46, F02M 55/02, F02M 63/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0855504 A1 (LUCAS INDUSTRIES PUBLIC LIMITED COMPANY), 29 July 1998 (29.07.1998), figure 1, abstract --	
A	US 4074668 A (INDRA), 21 February 1978 (21.02.1978), figures 1-4, abstract --	
A	EP 0325858 A2 (LUCAS INDUSTRIES PUBLIC LIMITED COMPANY), 2 August 1989 (02.08.1989), figures 1-4, abstract --	
A	DE 19834763 A1 (ROBERT BOSCH GMBH), 2 March 2000 (02.03.2000), figures 1-3, abstract --	

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

16 Sept 2004

Date of mailing of the international search report

2 0 -09- 2004

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Dan Ionesco / JA A

Telephone No. +46 8 782 25 00

## INTERNATIONAL SEARCH REPORT

Information on patent family members

31/07/2004

International application No.

PCT/FI 2004/050089

EP	0855504	A1	29/07/1998	AU	3184797 A	21/01/1998
				DE	69707677 D,T	08/05/2002
				EP	0908013 A,B	14/04/1999
				GB	9701688 D	00/00/0000

US	4074668	A	21/02/1978	CS	188353 B	30/03/1979
				DD	124545 A	02/03/1977
				DE	2605866 A	26/08/1976
				FR	2300905 A,B	10/09/1976
				GB	1539911 A	07/02/1979
				IT	1055148 B	21/12/1981
				JP	51106825 A	22/09/1976

EP	0325858	A2	02/08/1989	DE	3874720 A,T	22/10/1992
				ES	2035324 T	16/04/1993
				GB	8800956 D	00/00/0000
				JP	1220780 A	04/09/1989
				US	4979675 A	25/12/1990
				GB	8817466 D	00/00/0000

DE	19834763	A1	02/03/2000	NONE
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